CLAIMS

What is claimed is:

1. A power toothbrush comprising:

a handle;

a brush head including bristles, said brush head connected with said handle;

vibratory means for causing said bristles to vibrate; and

vibration isolation means for reducing vibrations from said vibratory means to said handle.

2. The power toothbrush of claim 1, wherein said vibration isolation means are positioned between said vibratory means and said handle.

3. The power toothbrush of claim 1, wherein said vibration isolation means include a vibration dampening material positioned between said brush head and said handle to at least partially absorb vibrations caused by said vibratory means.

4. The power toothbrush of claim 1, wherein said vibratory means include an eccentric motor.

5. The power toothbrush of claim 1, wherein said vibratory means are positioned in said brush head.

6. The power toothbrush of claim 5, wherein said vibration isolation means are positioned between said brush head and said handle.

7. The power toothbrush of claim 1, further comprising:

a brush shaft connected to said brush head.

8. The power toothbrush of claim 7, wherein said vibratory means are positioned in said brush shaft.

9. The power toothbrush of claim 8, wherein said vibration isolation means are positioned between said brush shaft and said handle.

10. A power toothbrush comprising:

a handle;

a brush head including bristles, said brush head adapted to be connected with said handle;

vibratory means for causing said brush head and said bristles to vibrate; and

vibration isolation means positioned between said vibratory means and said handle for reducing the transfer of vibrations from said vibratory means to said handle.

11. The power toothbrush of claim 9, wherein said vibratory means include an eccentric motor.

12. The power toothbrush of claim 9, wherein said vibratory means are positioned in said brush head.

13. The power toothbrush of claim 9, further comprising:

a brush shaft connected to said brush head.

14. The power toothbrush of claim 12, wherein said vibratory means are positioned in said brush shaft.

15. The power toothbrush of claim 1, wherein said vibration isolation means include a vibration dampening material.

16. A power toothbrush including a handle, a brush shaft, a brush head with bristles, and an eccentric motor for causing the bristles to vibrate, said toothbrush comprising:

the eccentric motor positioned in said brush shaft adjacent to and below said head; and

vibration isolation means for reducing the transfer of vibrations from the brush head to the handle.

17. The power toothbrush of claim 16, wherein said vibration isolation means are positioned between the brush head and the handle.

18. The power toothbrush of claim 16, wherein said vibration isolation means are positioned between the brush shaft and the handle.

19. The power toothbrush of claim 16, wherein said vibration isolation means include a vibration dampening material.

20. A power toothbrush comprising:

a handle;

a brush head including bristles, said brush head attached to said handle; and

vibratory means for causing said brush head and said bristles to vibrate, wherein said vibratory means are positioned in said brush head.

21. A power toothbrush comprising:

a handle;

a brush head including bristles, said brush head attached to said handle;

vibratory motor for causing said bristles to vibrate; and

vibration isolation means for reducing the transfer of vibrations from said vibratory motor to said handle.

22. A power toothbrush comprising:

a handle;

a brush head including bristles, said brush head attached to said handle; and

a vibratory motor for causing said brush head and said bristles to vibrate, wherein said vibratory motor is positioned in said brush head.

23. A toothbrush, comprising:

a handle having a first open end;

a brush shaft having a first end for receipt in said first open end of said handle, and a second end having at least one bristle element extending therefrom;

a vibration means positioned in said brush shaft adjacent to said at least one bristle element; and

a vibration damping structure positioned between said first open end of said handle and said first open end of said brush shaft when received in said first open end of said handle, said vibration damping structure comprising:

a first O-ring positioned around said first end of said brush shaft;

a second O-ring positioned around said first end of said brush shaft and spaced away from said first O-ring;

said O-rings forming the sole structural connection between said brush shaft and said handle;

wherein said vibration damping structure reduces the vibrations caused by said vibration means passing to said handle from said brush shaft.